



Molecular Imprints, Inc. NOV 30 2004

LEGAL DEPARTMENTP.O. Box 81536  
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Facsimile: (512) 491-8918**FACSIMILE TRANSMITTAL SHEET**TO: Examiner Timothy Howard Meeks  
Group Art Unit 1762FROM: Kenneth C. Brooks  
Reg. No. 38,393COMPANY:  
United States Patent and Trademark OfficeDATE:  
November 30, 2004FAX NUMBER:  
703-872-9306TOTAL NO. OF PAGES INCLUDING COVER:  
10

RE:

Duplicate Replacement Drawings

U.S. Patent Application No. 09/905,718

Filing Date: 05/16/2001

Entitled: METHOD FOR FABRICATING NANOSCALE PATTERNS IN LIGHT CURABLE  
COMPOSITIONS USING AN ELECTRIC FIELD

Our Ref. No.: PA27-02Q12

***DUPLICATE REPLACEMENT DRAWINGS***

Dear Examiner:

The Replacement Drawings mailed to the USPTO on October 12, 2004 for the above-identified application are not appearing on PAIR as of this date. Attached are copies of the drawings and transmittal, as well as a copy of the return-receipt postcard postmarked October 15, 2004 by the USPTO. Please process these drawings as timely filed, and in response to the "Notice Regarding Drawings" of October 20, 2004.

Thank you for your attention to this matter.

Very truly yours,

  
Kenneth C. Brooks

Please see attached:

Copy of Transmittal (1 pg)

Copy of Replacement Drawings (7 pgs)

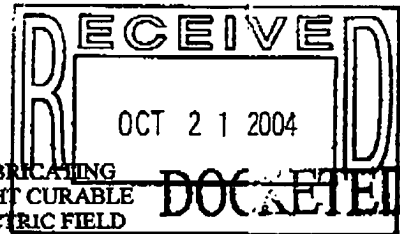
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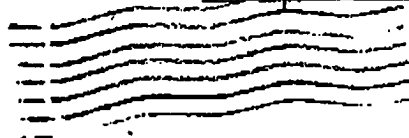
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicant: Willson et al.  
Title: METHOD AND SYSTEM FOR FABRICATING  
NANOSCALE PATTERNS IN LIGHT CURABLE  
COMPOSITIONS USING AN ELECTRIC FIELD  
App. No.: 09/905,718 Filed: 05/16/2001  
Any Dkt No. PA27-02Q12



- ☒ Replacement Drawings (7 pgs)  
☒ Return Receipt Postcard

Dated: 10/12/04



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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/905,718	
	Filing Date	05/16/2002	
	First Named Inventor	Willson et al.	
	Art Unit	1762	
	Examiner Name	Bernard D. Pianalto	
Total Number of Pages in This Submission	8	Attorney Docket Number	PA27-02Q12

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kenneth C. Brooks, Reg. No. 38,393
Signature	<i>[Signature]</i>
Date	10/11/04

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Katrina Prati	
Signature	<i>Katrina Prati</i>	Date 10/12/04

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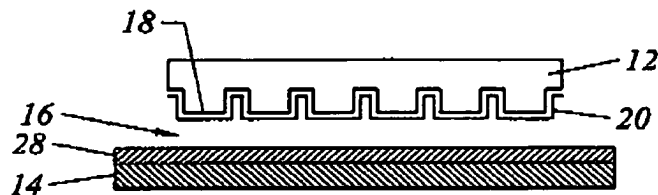


FIG. 1A

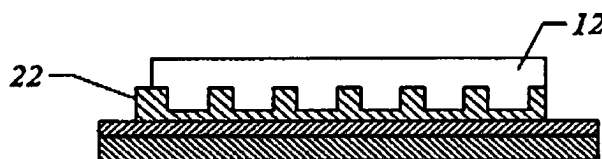


FIG. 1B

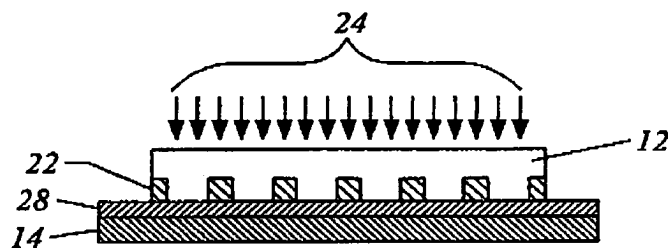


FIG. 1C

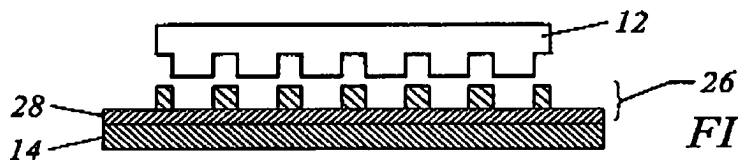


FIG. 1D



FIG. 1E

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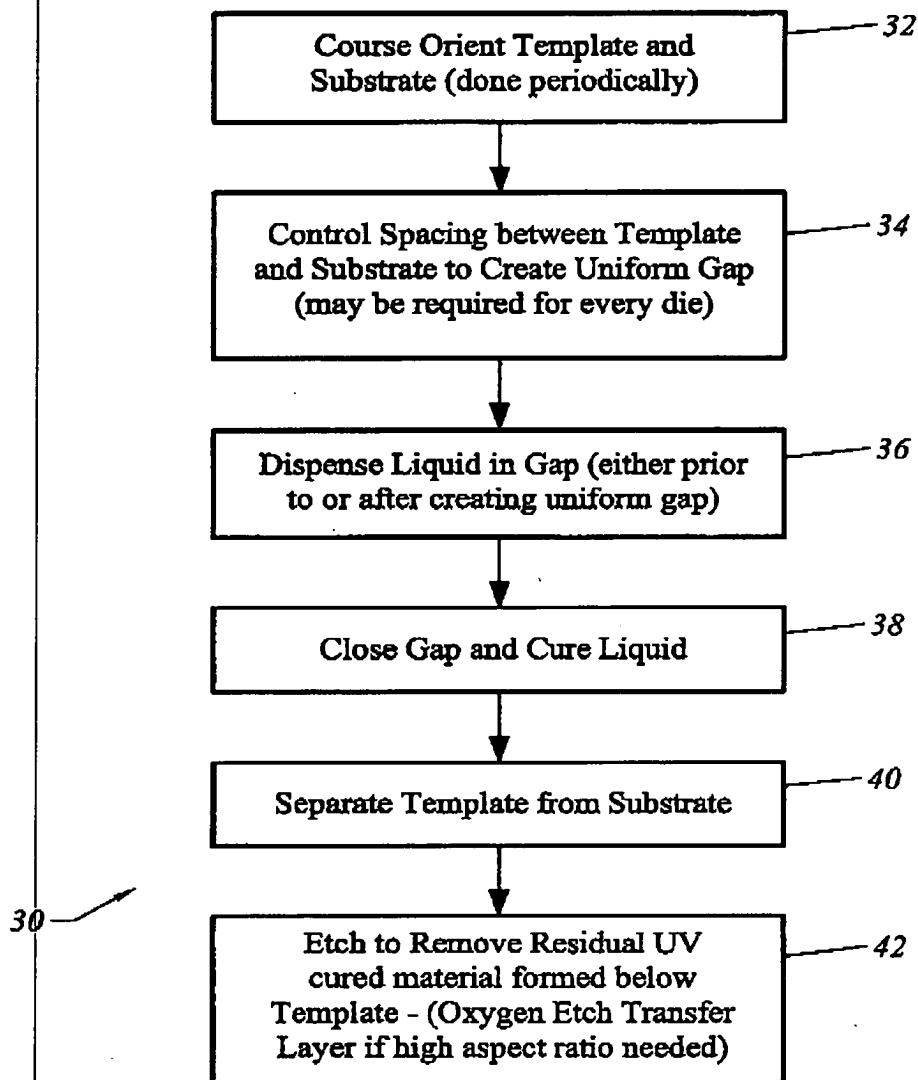


FIG. 2

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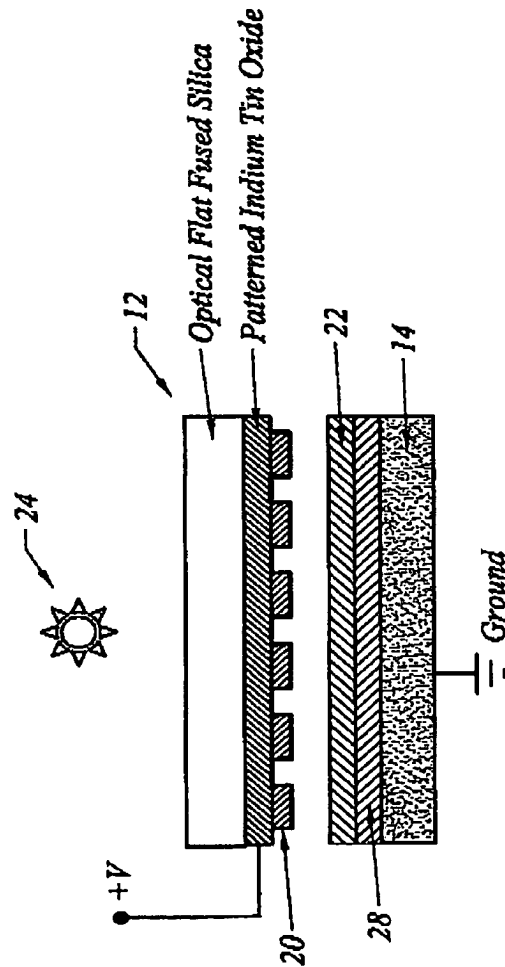


FIG. 3

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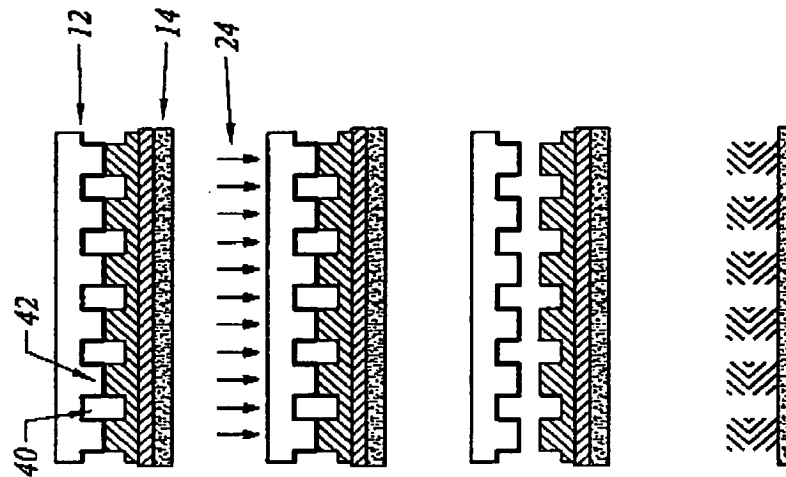
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**FIG. 4**

- Apply electric field and maintain uniform gap to induce the liquid to adhere to the template
- UV cure the liquid
- Separate the template from the substrate
- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

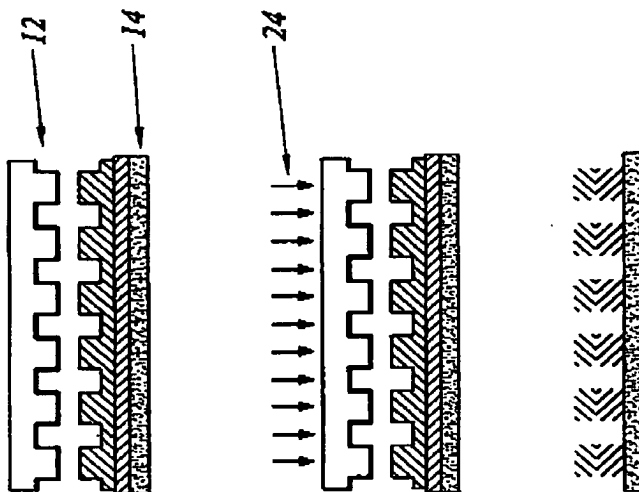
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REPLACEMENT  
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- Apply electric field and maintain uniform gap to induce the liquid to be attracted to the template without making contact

- UV cure the liquid

- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

FIG. 5



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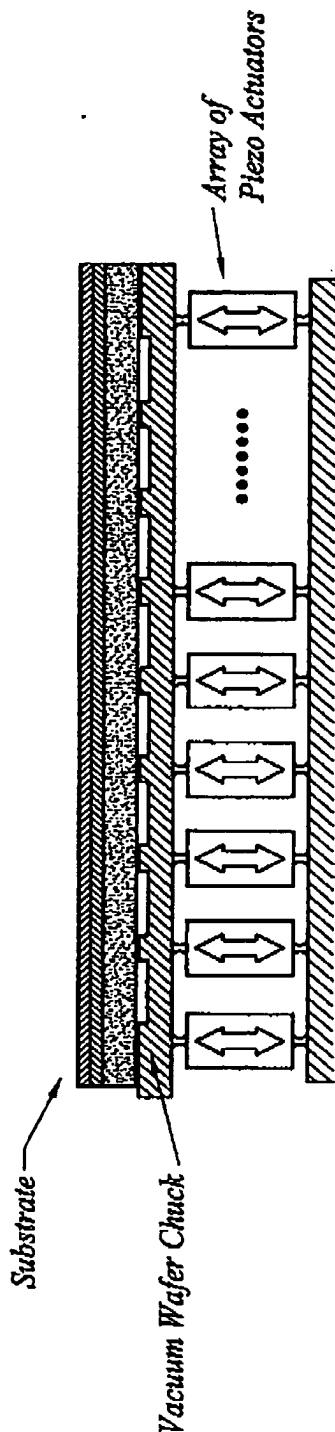


FIG. 6

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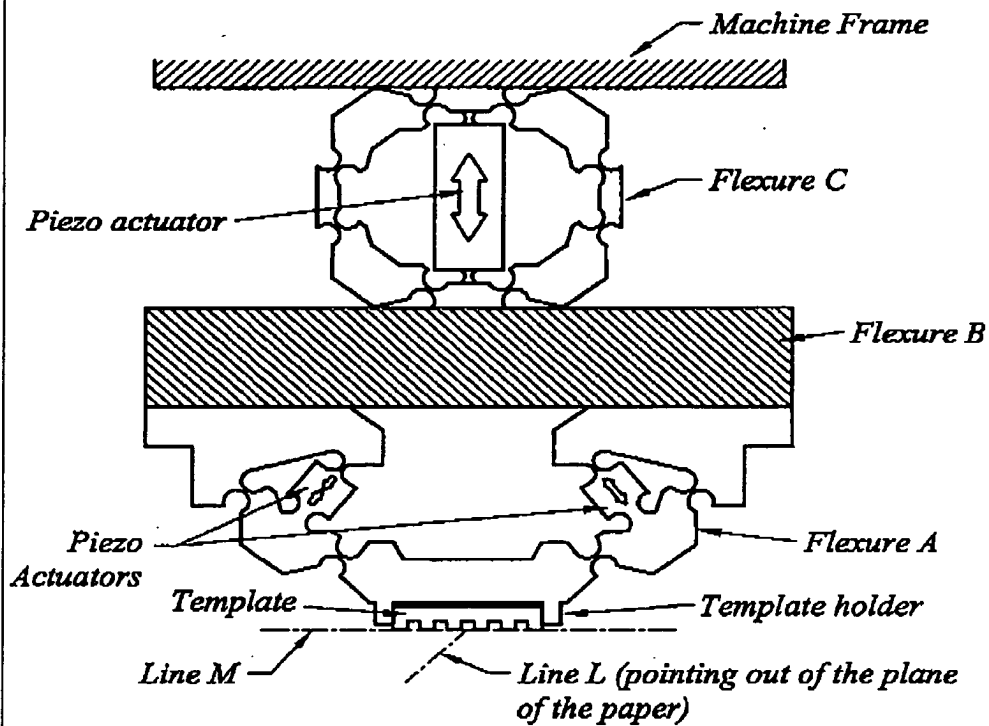


FIG. 7

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